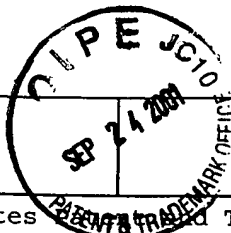


# PATENT RECORDATION FORM COVER SHEET

Attorney Docket No.  
S01.12-0787/STL 10017



To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

- (1) Tao Zhang
- (2) Kevin A. Gomez
- (3) Qiang Bi
- (4) MingZhong Ding
- (5) Stephen Kow Chiew Kuan

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies):

Name: Seagate Technology LLC

Internal Address: \_\_\_\_\_

Street Address: 920 Disc Drive

City Scotts Valley State CA ZIP 95066

Additional name(s) & address(es) attached? [ ] Yes [X] No

3. Nature of Conveyance:

- ☒ Assignment [ ] Merger
- [ ] Security Agreement
- [ ] Change of Name [ ] Other \_\_\_\_\_

Execution Date: July 20, 2001

4A. Application No.(s)

09/896,895

If this document is being filed together with a new application, the execution date(s) of the application is: \_\_\_\_\_

Additional numbers attached? [ ] Yes [X] No

4B. Patent No.(s)

Additional numbers attached? [ ] Yes [ ] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Alan G. Rego  
Street Address: Westman, Champlin & Kelly, P.A.  
Suite 1600  
International Centre  
900 Second Avenue South  
City: Minneapolis State: MN ZIP 55402

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41): .....\$ 40.00

8. Method of Payment

- ☒ Enclosed
- ☒ The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alan G. Rego  
Name of Person Signing

*Alan G. Rego*  
Signature

9/19/01  
Date

Total number of pages submitted: [4]

## ASSIGNMENT

Attorney Docket No. : S01.12-0787  
Seagate Docket No. : STL 10017

WHEREAS, I/we Tao Zhang of 148 Pine Street, Apt. 14, Kingston, Ontario, Canada, Kevin A. Gomez of 86 Bloxhome Drive, Singapore, Singapore, 559781, Qiang Bi of Blk 373, #03-192, Clementi Ave 4, Singapore, Singapore 120373, MingZhong Ding of Blk 534, Bukit Batok #04-18, Singapore, Singapore, 650534, and Stephen Kow Chiew Kuan of 3 Jalan Rajawali #07-01, Singapore, Singapore 598436 are the inventor(s) of an invention entitled REAL-TIME AUTOMATIC LOOP-SHAPING FOR A DISC DRIVE SERVO CONTROL SYSTEM that is the subject matter of: (check all that apply)

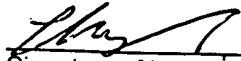
- ☒ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 60/254,934 filed on December 12, 2000;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_, S01.12-0787/STL 10017, and/or executed on even date herewith; and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.


I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

 20/07/07  
Signature of Inventor

Tao Zhang  
Printed Name of Inventor  
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148 Pine Street, Apt. 14  
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 July 20, 2007  
Signature of Witness Date

Zhen Yao  
Printed Name of Witness  
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Signature of Inventor

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Signature of Inventor

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Residence of Inventor:

3 Jalan Rajawali  
#07-01  
Singapore, 598436

\_\_\_\_\_  
Signature of Witness      Date

\_\_\_\_\_  
Printed Name of Witness  
Residence of Witness:

\_\_\_\_\_  
Signature of Witness      Date

PANG TZE MINN, JIMMY  
Printed Name of Witness  
Residence of Witness:

34 THOMSON GREEN  
SINGAPORE 574910

\_\_\_\_\_  
Signature of Witness      Date

\_\_\_\_\_  
Printed Name of Witness  
Residence of Witness:

\_\_\_\_\_  
Signature of Witness      Date

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Printed Name of Witness  
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Singapore, 598436

Thom 20<sup>th</sup> JUL '01  
Signature of Witness Date

LANNA XL 460  
Printed Name of Witness  
Residence of Witness:

BLK 140 JLN BT MERAH  
#18-1156  
SINGAPORE 160140

\_\_\_\_\_  
Signature of Witness Date

\_\_\_\_\_  
Printed Name of Witness  
Residence of Witness:

Thom 20<sup>th</sup> JUL '01  
Signature of Witness Date

LANNA XL 460  
Printed Name of Witness  
Residence of Witness:

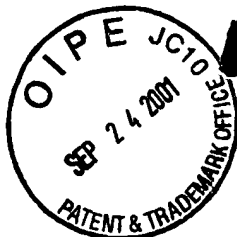
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SINGAPORE 160140

Thom 20<sup>th</sup> JUL '01  
Signature of Witness Date

LANNA XL 460  
Printed Name of Witness  
Residence of Witness:

BLK 140 JLN BT MERAH  
#18-1156  
SINGAPORE 160140





PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appln. No. (if any under PCT)	Filing Date	Status
_____	_____	_____	_____

DECLARATION

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DESIGNATION OF CORRESPONDENCE ADDRESS

Please address all correspondence and telephone calls to Alan G. Rego in care of:

WESTMAN, CHAMPLIN & KELLY, P.A.  
Suite 1600 - International Centre  
900 Second Avenue South  
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Phone: (612) 334-3222 Fax: (612) 334-3312

Inventor:   
(Signature)

Date: 20/07/2001

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(Printed Name)

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Citizenship: P.R. China  
~~Singapore~~

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Inventor: \_\_\_\_\_  
(Signature)

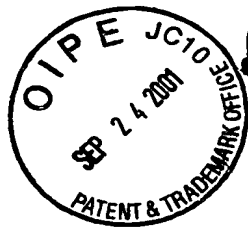
Date: \_\_\_\_\_

Inventor: Kevin Arthur Gomez  
(Printed Name)

Residence: Singapore, Singapore

Citizenship: Singapore

P.O. Address: 86 Bloxhome Drive, Singapore 559781



-25-

**PRIORITY CLAIM (35 U.S.C. § 120)**

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appln. No. (if any under PCT)	Filing Date	Status
_____	_____	_____	_____
_____	_____	_____	_____

**DECLARATION**

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Inventor: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

Inventor: Tao Zhang  
(Printed Name)

Residence: Kingston, Ontario, Canada Citizenship: Singapore

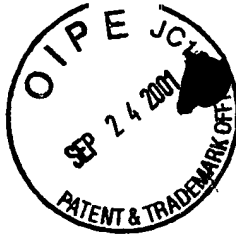
P.O. Address: 148 Pine Street, Apt. 14, Kingston, Ontario, Canada K7K 1W8

Inventor: *Kiom* Date: 19 July 2001  
(Signature)

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(Printed Name)

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Inventor: B  
(Signature)

Date: 20, July, 2001

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(Printed Name)

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Citizenship: *singapore*  
~~P.R. China~~

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Inventor: \_\_\_\_\_  
(Signature)

Date: \_\_\_\_\_

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Inventor: \_\_\_\_\_  
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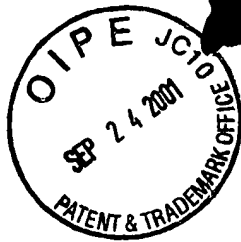
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-26-

Inventor: \_\_\_\_\_  
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Date: \_\_\_\_\_

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